

FIG. 1

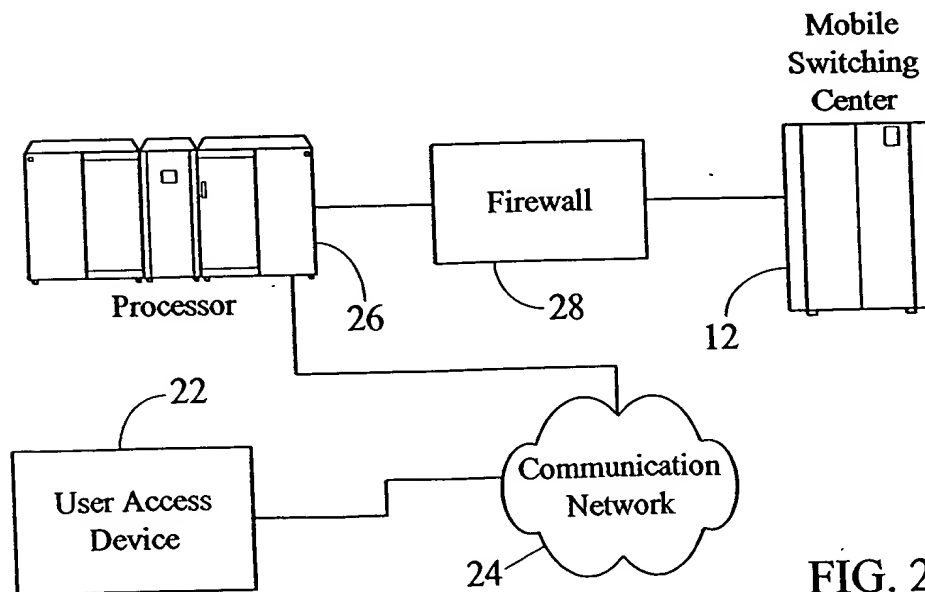


FIG. 2

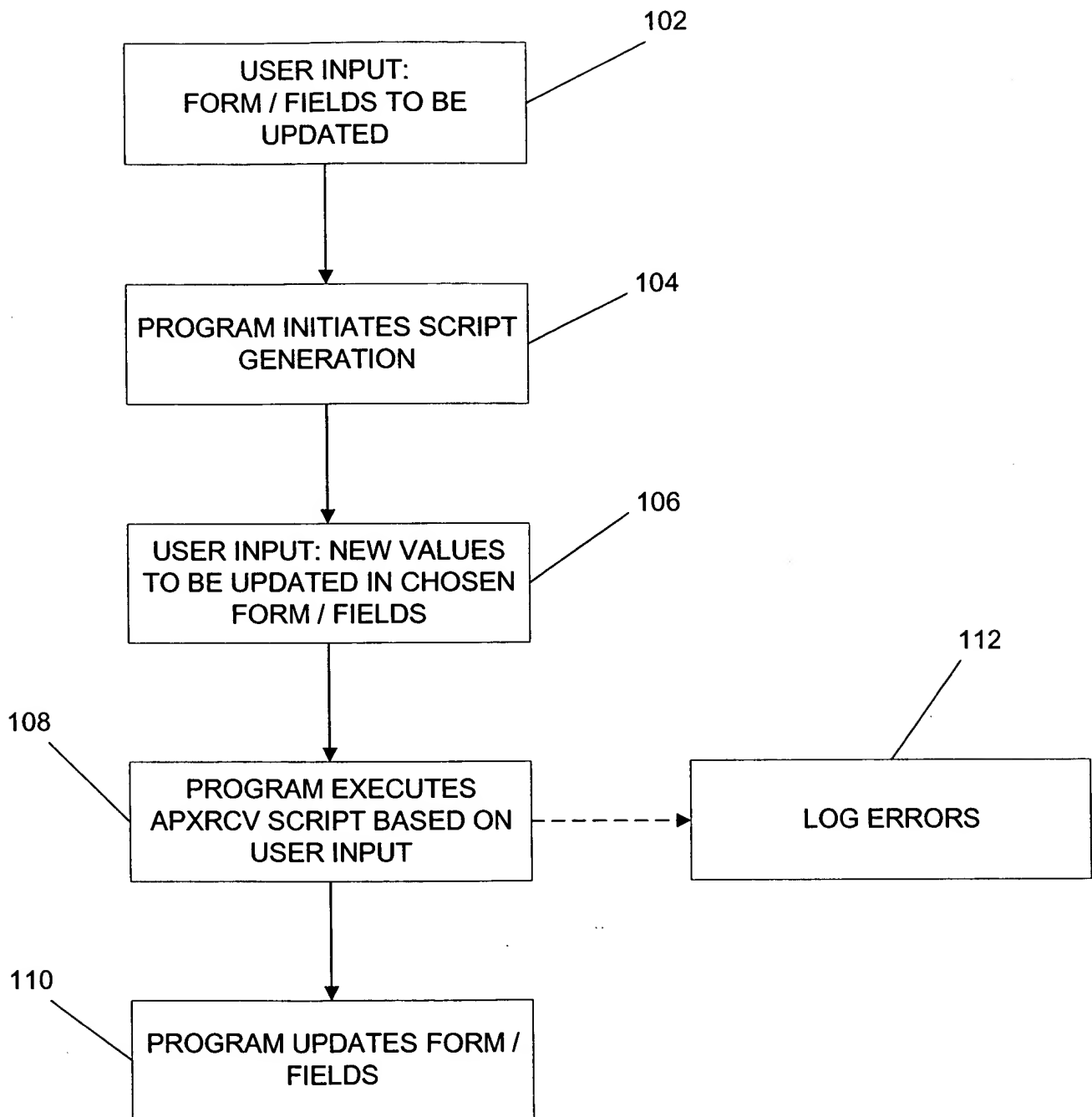


FIG. 3

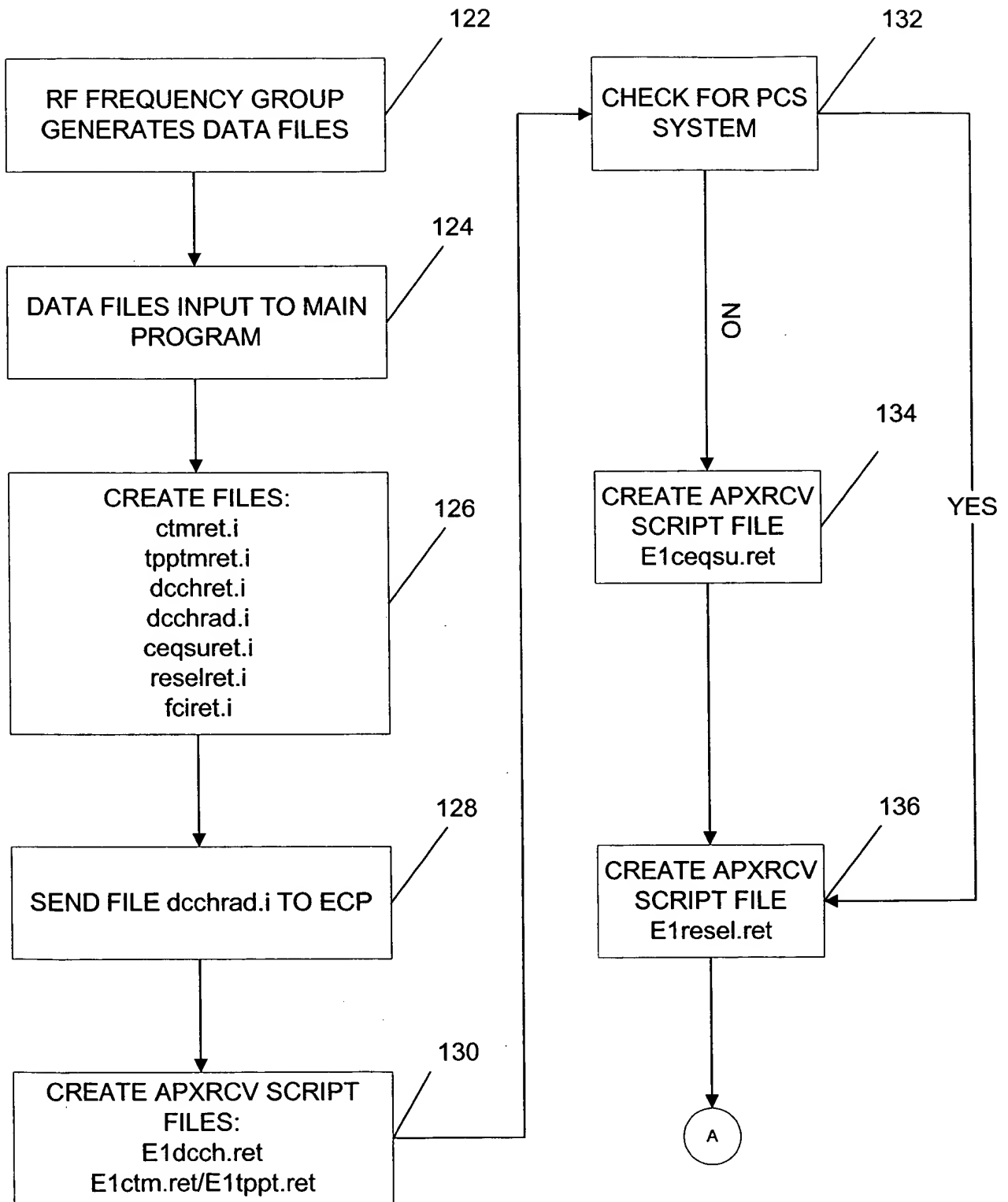


FIG. 4A

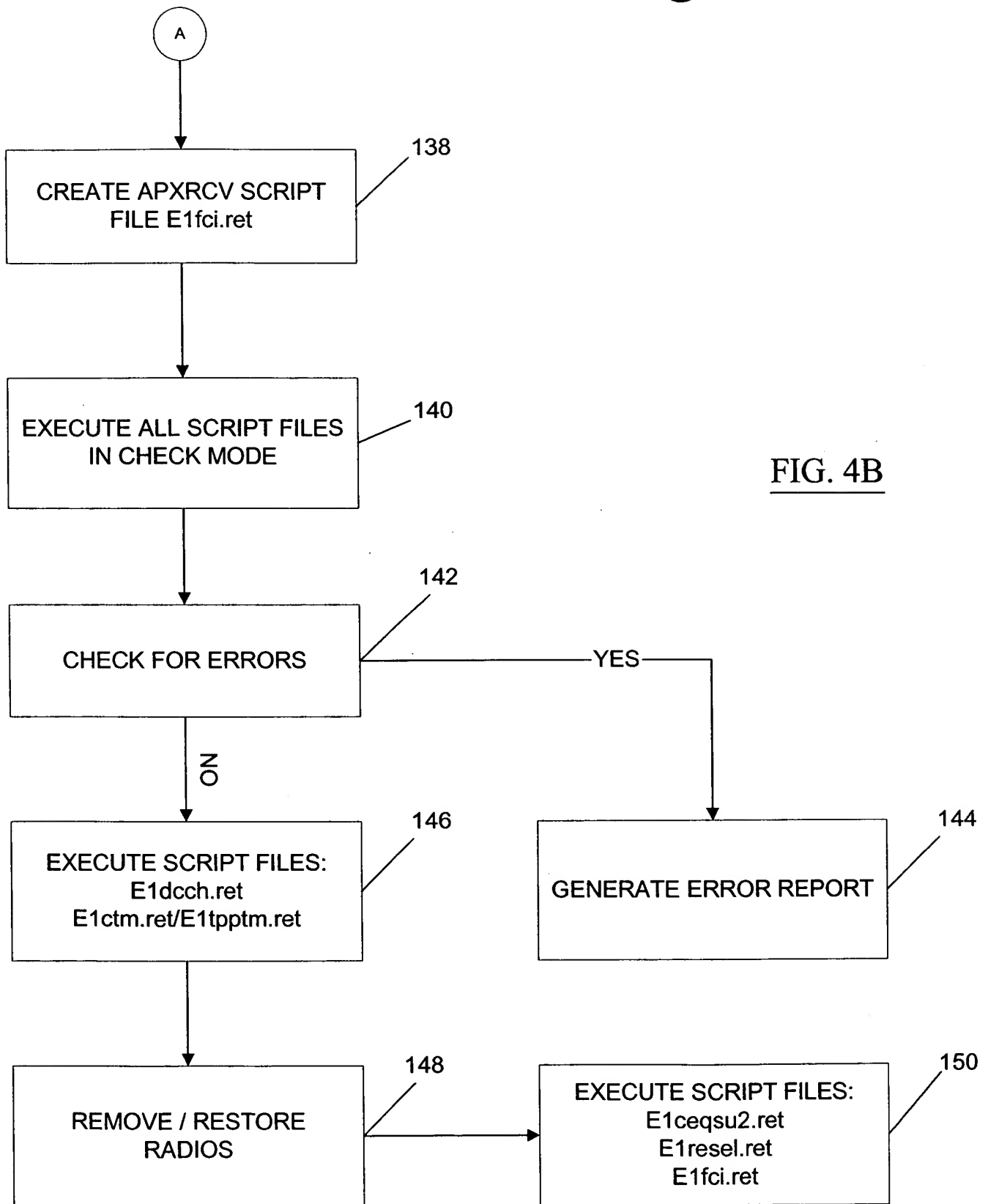


FIG. 4B

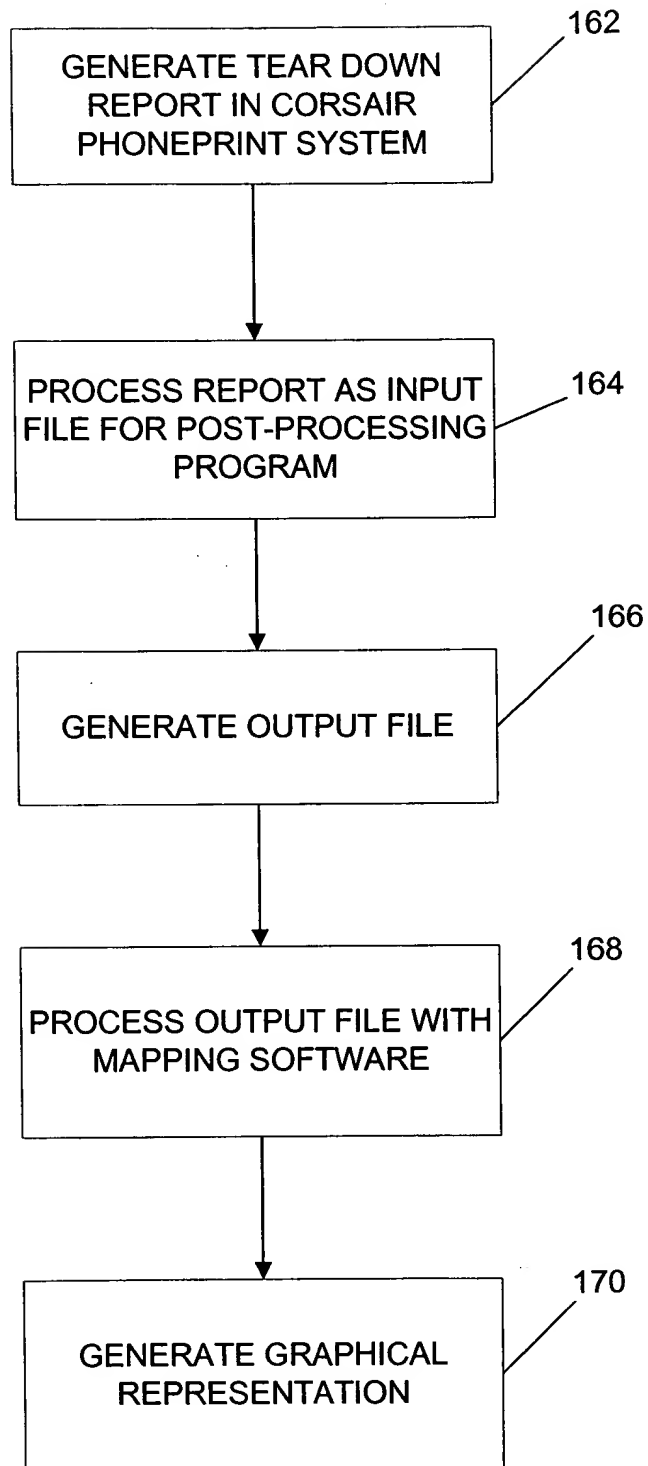


FIG. 5

pg pp9912.txt

Date	Time(2)	Site_ID	MIN(1)	Dialed_Digits	Tear-Down_Reason	
12/25/99	19:26:09	20		2012075854	12014981322	MFG
12/23/99	14:56:20	219		2012075854	5617767114	MFG
12/26/99	21:40:32	167		2012130072	19547814445	MFG
12/23/99	19:06:49	82		2012134416	9544289147	MFG
12/23/99	19:06:23	82		2012134416	9544289147	MFG
12/25/99	17:23:55	82		2012134416	9544285083	MFG
12/25/99	15:06:20	82		2012134416	2015680907	MFG
12/25/99	13:04:16	82		2012134416	2015680907	MFG
12/25/99	13:04:05	82		2012134416	2015680907	MFG
12/25/99	13:03:53	82		2012134416	2015680907	MFG
12/25/99	13:03:31	82		2012134416	2015680907	MFG
12/25/99	13:01:49	82		2012134416	2015680907	MFG
12/25/99	12:53:38	82		2012134416	2015680907	MFG
12/25/99	12:52:32	82		2012134416	2015680907	MFG
12/25/99	12:52:03	82		2012134416	2015680907	MFG
12/25/99	12:50:48	82		2012134416	2015680907	MFG
12/25/99	12:48:15	82		2012134416	2015680907	MFG
12/25/99	12:47:16	82		2012134416	5680907 MFG	
12/24/99	11:58:50	82		2012134416	8003328463	MFG
12/24/99	11:58:08	82		2012134416	8003328463	MFG
12/24/99	10:03:16	82		2012134416	9544289147	MFG
12/22/99	14:58:09	80		2012300764	19546467166	MFG
12/29/99	10:54:28	177		2012400657	19086881800	MFG
12/29/99	10:51:49	177		2012400657	9412503698	MFG
12/29/99	10:25:04	145		2012400657	12012400657	MFG
12/29/99	10:24:42	145		2012400657	12012400657	MFG
12/27/99	21:26:01	49		2012476225	15616551115	MFG
12/24/99	19:22:48	219		2012476225	15615551212	MFG
12/24/99	19:22:26	219		2012476225	15615551212	MFG
12/24/99	19:22:06	219		2012476225	15615551212	MFG
12/24/99	19:13:38	219		2012476225	5617950022	MFG
12/27/99	12:01:06	20		2012476225	15614996976	MFG
12/23/99	16:23:47	12		2012640686	3105152822	MFG
12/23/99	16:17:19	12		2012640686	3105152822	MFG
12/23/99	16:17:03	12		2012640686	3105152822	MFG

FIG. 6

pg map1299

ECP,CellNo,Longitude,Latitude,Count

4,1,-80.1675,26.155278,148
3,5,-80.361111,25.699444,209
1,6,-80.171667,26.36.675
1,7,-80.114167,26.562778,173
1,8,-80.109722,26.760556,76
3,9,-80.317222,25.679444,311
3,10,-80.266667,25.747222,115
4,12,-80.29,26.183333,268
3,13,-80.422778,25.526111,164
4,15,-80.123056,25.854167,510
4,16,-80.198611,26.248889,401
1,18,-80.088889,26.45,380
1,20,-80.058611,26.651944,216
4,22,-80.210833,25.848611,138
4,23,-80.128889,26.085833,844
4,25,-80.288889,25.845556,55
1,26,-80.201111,26.630833,251
4,27,-80.204722,25.93,590
3,28,-80.360833,25.596667,255
3,29,-80.333889,25.649444,584
4,30,-80.415,26.086389,207
4,31,-80.175833,26.121944,128
1,37,-80.681389,26.686667,213
4,40,-80.364444,25.828333,156
4,42,-80.286944,25.920556,147
4,43,-80.168056,26.024722,333
3,46,-80.129167,25.793611,2694
3,47,-80.238611,25.811389,121
1,49,-80.051667,26.711944,381
4,50,-80.160556,25.908611,187
4,52,-80.26,26.121667,456
4,53,-80.105556,26.136389,501
3,54,-80.383333,25.653056,81
4,55,-80.249444,26.268333,314
3,56,-80.294722,25.703889,184
3,57,-80.315,25.808333,21
3,58,-80.265278,25.788333,267
4,60,-80.25,25.891667,205
4,61,-80.090833,26.230278,147
4,64,-80.211667,26.0175,595

FIG. 7

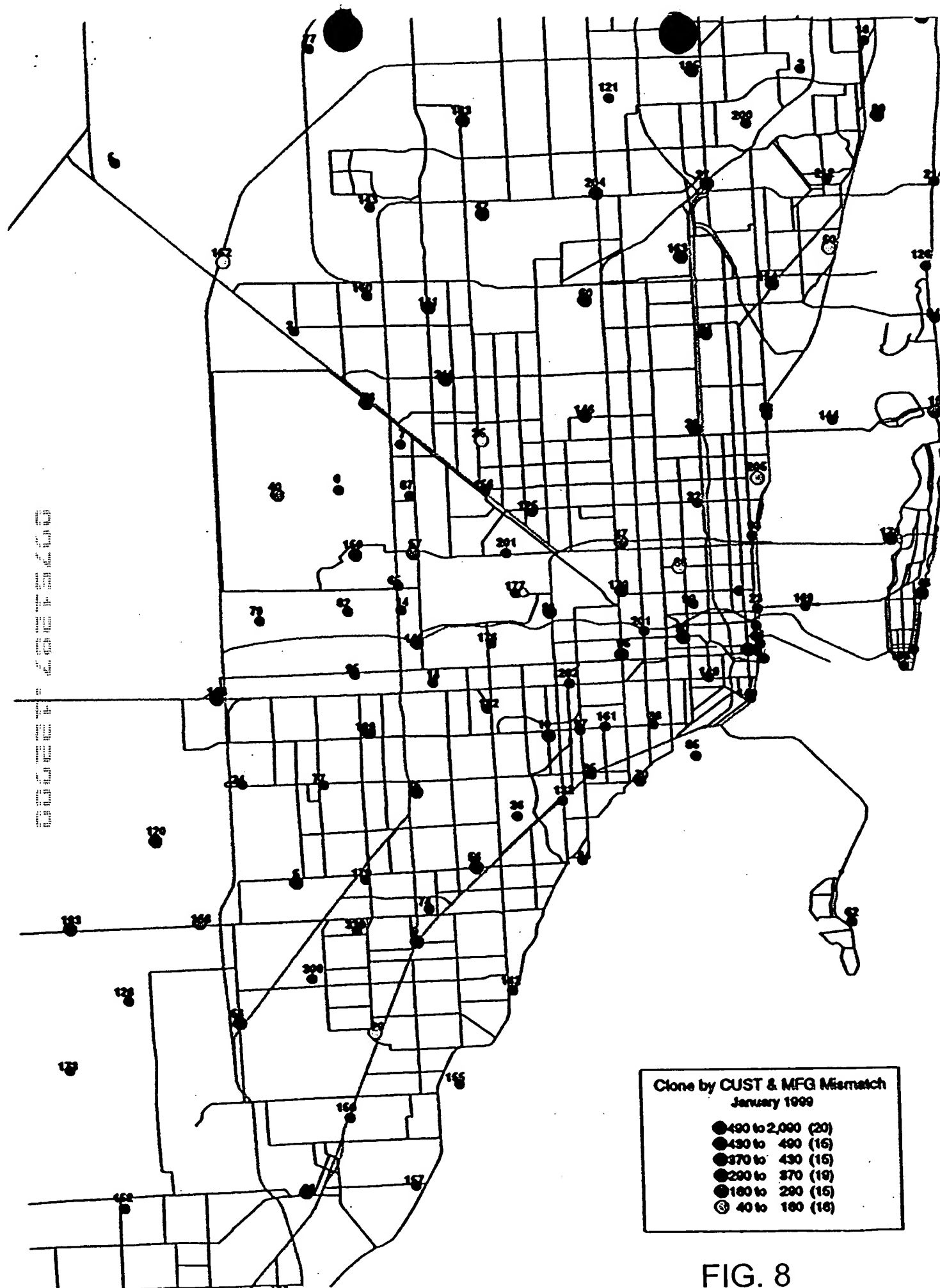


FIG. 8

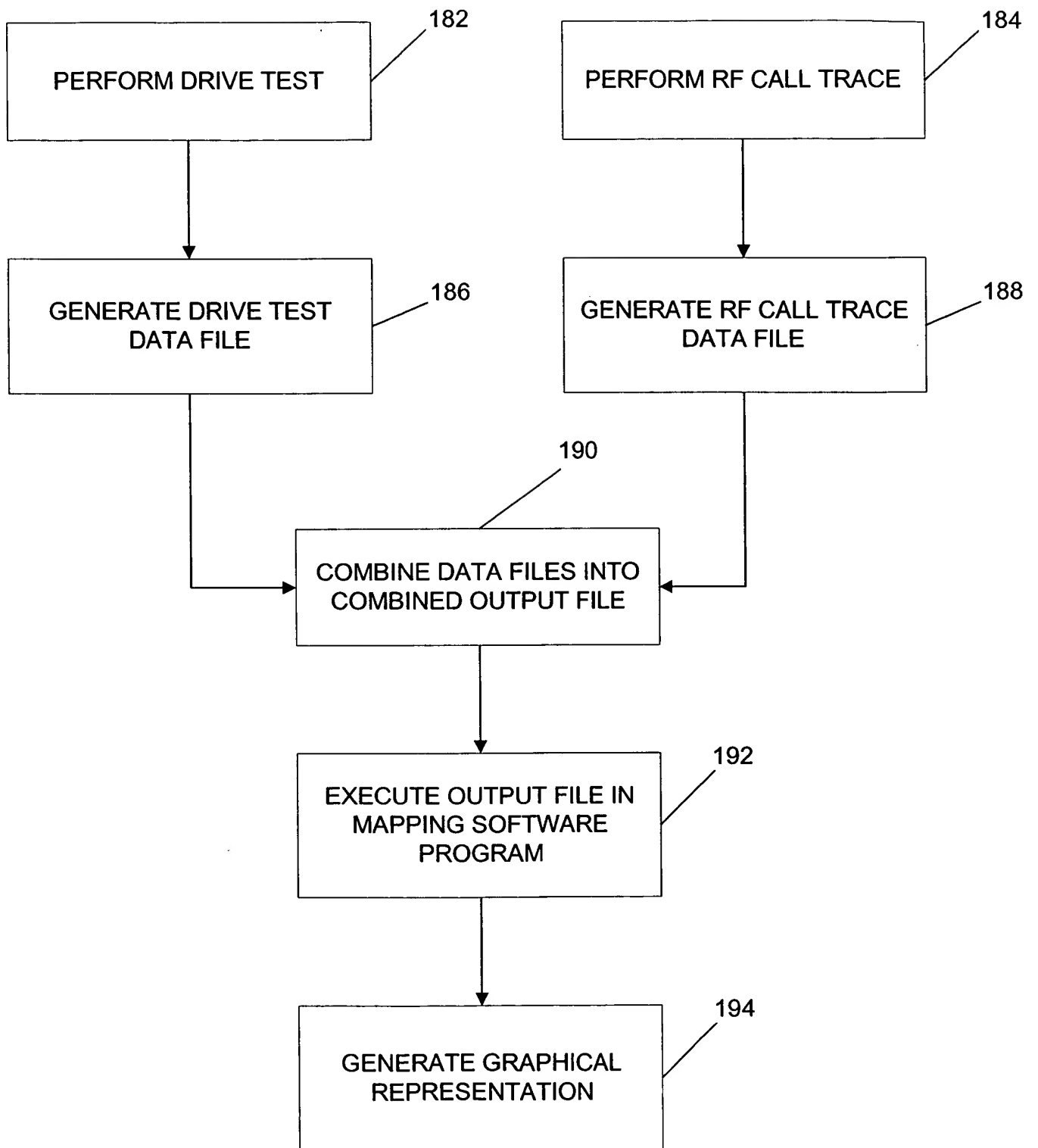


FIG. 9

SAMPLE Ericsson log

MOBILE TELEPHONY CELL TRAFFIC RECORDING
DIGITAL SIGNAL STRENGTH MEASUREMENTS

MSNB	CELL	DEV	SSFVC	SSRVC
9412580201	T017C	MDVC-1060	23	20
SSSTDRVC	BERFVC	BERRVC	RBERRVC	FERRVC
6	3	2	2	0
BQRVC	TDRVC	FREQERR	TIMEALIGN	MSPOW
15	0	1	0	2
NCELL	NSSFFMC	MEASCHAN	VIND	
T017A	5	1260	Y	
T017B	23	1272	Y	
T006B	17	1300	Y	
T016B	13	1305	Y	
T004A	29	1251	Y	
T005B	33	1302	Y	
T005A	23	1290	Y	
T018A	21	1294	Y	
T154B	21	1303	Y	
TIME	PRINTIND	FCODE		
11:08:27	0			

END

MOBILE TELEPHONY CELL TRAFFIC RECORDING CANDIDATE LIST FOR
HANDOFF

MSNB	CELL	TIME	FCODE	URGENCY
9412580201	T017C	11:08:27		0
CANDCELL	CELLTYPE	NTYPE	RATING	
T005B	0	STD		0

END

FIG. 10

7/30/99,11:08:27,-

82,3321883,27,9813839,9,40.3,86.9,G8,5,Conversation,1218,-

93.D.3.V.3.5.2.0.87.3.0.0, , , , , 14, 15, -100, 0, 8, , , 1, Neig, 9, 1284, -

89, 1302, -93, 1300, -103, 1255, -107, 1317, -109, 1303, -109, 1314, -111, 1305, -

111,1315,-

111,1315,-

7/30/99,10:52:47,-

82.3321883,27.9813839,9,40.3,86.9,G8,5,Conversation,1218,-

93, D, 3, V, 3, 5, 2, 0.84, 3, 0, 0,, 14, 15, -100, 0, 8, . . ., 1, Neig, 9, 1284, -

89,1302,-93,1300,-103,1303,-107,1255,-109,1314,-111,1317,-111,1305,-

89,1302,-9
111,1315,-

111,1315,-

7/30/99,10:52:48,-

82.3319553,27.9813947,10,43.1,87.0,G8,5,Conversation,1218,-

93, D, 3, V, 3, 5, 2, 0.84, 3, 0, 0, -10, 38, -137, 0.8, . . . 1, Neig, 9, 1284, -

89,1302,-93,1300,-103,1303,-107,1255,-109,1314,-111,1317,-111,1305,-

89,1302,-9
111,1315,-

111,1315,-

7/30/99,10:52:48,-

82.3319553,27.9813947,10,43.1,87.0,G8,5,Conversation,1218,-

95, D, 3, V, 3, 5, 2, 0, 99, 3, 0, 0, -10, 38, -137, 0, 8, . . . , 1, Neig, 9, 1284, -

83, 1302, -93, 1300, -101, 1303, -105, 1255, -109, 1305, -111, 1314, -113, 1315, -

83,1302,-9
113,1317,-

[illegible]

7/30/99, 10:52:49, -

82.3317164,27.9814044,10,44.7,87.2,G8,5,Conversation,1218,-

95, D, 3, V, 3, 5, 2, 0, 99, 3, 0, 0, -10, 38, -137, 0, 8, . . . , 1, Neig, 9, 1284, -

83, 1302, -93, 1300, -101, 1303, -105, 1255, -109, 1305, -111, 1314, -113, 1315, -

113,1317,-

[illegible]

FIG. 11A

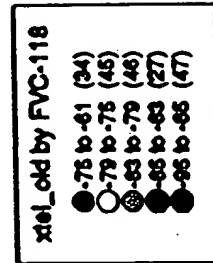
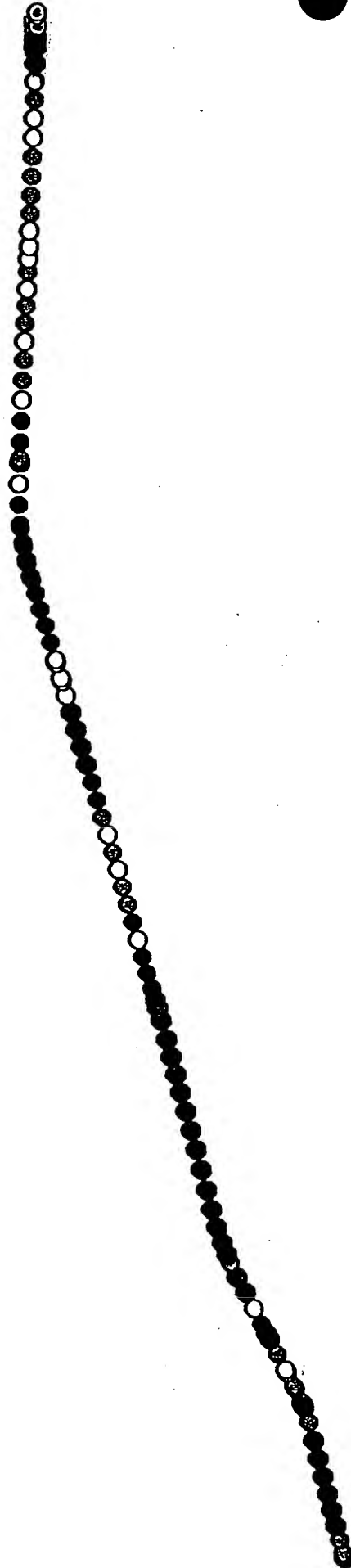
FT

R, RBER, FER, BQ, TD, FREQ, TIME, MS, PRINT
DEV, FVC, RVC, TDRV, FVC, RVC, RVC, RVC, RVC, RVC, ERR, ALIG

28.0069725,9412580201,T017C,MDVC-
15,0,1,0,2,0
28.0069725,9412580201,T017C,MDVC-
15,0,1,0,2,0
28.0069856,9412580201,T017C,MDVC-
15,0,2,0,2,1
28.0069856,9412580201,T017C,MDVC-
15,0,2,0,2,1
28.0070392,9412580201,T005B,MDVC-
2,0,4,0,2,1
28.0072014,9412580201,T005B,MDVC-
7,0,4,0,2,1
28.0072014,9412580201,T005B,MDVC-
7,0,4,0,2,1
28.0073900,9412580201,T005B,MDVC-
8,0,3,0,2,1
28.0073900,9412580201,T005B,MDVC-
8,0,3,0,2,1
28.0075761,9412580201,T005B,MDVC-
7,0,5,0,2,1
28.0075761,9412580201,T005B,MDVC-
7,0,5,0,2,1
992,9412580201,T005B

FIG. 11B

FIG. 12



Comarco File

13:20:00.8,26.677,-81.567
13:20:01.2,25.230,-81.456
.....
.....
.....
13.21.00.3,28.655,-81.2128

FIG. 13A

v----- Record # 1: -----v
 05/10/99 13:22:05 ALM INF 4103 7 32 G TC 457
 Call Monitor: Call Record has been Written in RAM disk
 Ph#: (407)9223002 Call clear by MS - mobile clear
 v----- Record # 2: -----v
 05/10/99 13:22:04 ALM INF 4113 7 32 G TC 457
 Call Monitor: Call RSSI value
 (407)9223002 cell 323 rrssi -77 attn 4 snr 40
 v----- Record # 3: -----v
 05/10/99 13:22:04 ALM INF 4117 7 32 G SRC
 Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
 (407)9223002 Cell_id/RSSI: 323 / -73
 v----- Record # 264: -----v
 05/10/99 13:21:00 ALM INF 4117 7 20 A SRC
 Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
 (407)9223002 Cell_id/RSSI: 201 / -98
 v----- Record # 265: -----v
 05/10/99 13:21:00 ALM INF 4117 7 32 B SRC
 Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
 (407)9223002 Cell_id/RSSI: 322 / -103
 v----- Record # 266: -----v
 05/10/99 13:21:00 ALM INF 4117 7 83 A SRC
 Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
 (407)9223002 Cell_id/RSSI: 831 / -96
 v----- Record # 267: -----v
 05/10/99 13:21:00 ALM INF 4117 7 32 A SRC
 Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
 (407)9223002 Cell_id/RSSI: 321 / -78
 v----- Record # 268: -----v
 05/10/99 13:21:00 ALM INF 4117 7 135 G SRC
 Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
 (407)9223002 Cell_id/RSSI: 1353 / -113
 v----- Record # 269: -----v
 05/10/99 13:21:00 ALM INF 4117 7 20 B SRC
 Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
 (407)9223002 Cell_id/RSSI: 202 / -100
 v----- Record # 270: -----v
 05/10/99 13:21:00 ALM INF 4113 7 32 G TC 457
 Call Monitor: Call RSSI value
 (407)9223002 cell 323 rrssi -72 attn 4 snr 40
 v----- Record # 271: -----v
 05/10/99 13:21:00 ALM INF 4117 7 32 G SRC
 Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
 (407)9223002 Cell_id/RSSI: 323 / -71
 v----- Record # 272: -----v
 05/10/99 13:21:00 ALM INF 4117 7 3 B SRC
 Call Monitor: Adj. cell RSSI values from Scanning Rcvr.
 (407)9223002 Cell_id/RSSI: 32 / -115

FIG. 14

